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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **SANADA, Yukitoshi**

Group Art Unit: **2611**

Serial No.: **10/643,148**

Examiner: **PATEL, Jayanti K.**

Filed: **August 19, 2003**

P.T.O. Confirmation No.: 3546

For: **UWB TRANSMITTER AND RECEIVER**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 5, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.



The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and references (5)



<b>INFORMATION DISCLOSURE CITATION PTO-1449</b>	Atty. Docket No. <b>031017</b>	Serial No. <b>10/643,148</b>
	Applicant(s): <b>SANADA, Yukitoshi</b>	
	Filing Date: <b>August 19, 2003</b>	Group Art Unit: <b>2611</b>

#### U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA	2003/0186713	Sugaya, et al.	10/02/2003			
_____	AB						
_____	AC						
_____	AD						
_____	AE						

#### FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
_____	AF	2003-152594	05/23/2003	Japan	Yes, abstract and machine translated claims and specification.
_____	AG	2003-258812 (Corresponding Japanese patent application of Ref. AA.)	09/12/2003	Japan	Yes, abstract and machine translated claims and specification.
_____	AH	01/73965	10/04/2001	PCT	
_____	AI				

#### OTHER DOCUMENTS

_____	AJ	SANADA, Yukitoshi; "Proposal of a Pulse Position Controlled DS-UWB System;" <i>2002 Engineering Sciences Society Conference of IEICE</i> ; p.105, A-5-9; August 2002.
Examiner	Date Considered	